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Art Unit: 3747

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AMENDMENTS TO THE CLAIMS

- 1. (CANCELLED)
- 2. (PREVIOUSLY PRESENTED) A four-cycle engine comprising:
- a cylinder block;
- a cylinder head;
- a cylinder head cover, wherein said cylinder head cover is stacked on top of said cylinder head and said cylinder head is stacked above said cylinder block;
- an intake valve and an exhaust valve opening or closing by an operative engagement with a camshaft arranged above the cylinder head;
- a joint being formed between the cylinder head and cylinder block, wherein the joint of the cylinder head and the cylinder block extends diagonally with respect to an axis of either the intake valve or the exhaust valve;
- a joint being formed between the cylinder head and the cylinder head cover, wherein the axis of either the intake valve or the exhaust valve is perpendicular to the joint between the cylinder head and the cylinder head cover; and
- an insertion hole having an ignition plug formed therein, wherein an axis of the insertion hole of the ignition plug is formed perpendicular to the joint of the cylinder head and the cylinder head cover.

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3. (PREVIOUSLY PRESENTED) A four-cycle engine comprising:

a cylinder block;

a cylinder head;

a cylinder head cover, wherein said cylinder head cover is stacked on top of said

cylinder head and said cylinder head is stacked above said cylinder block;

an intake valve and an exhaust valve opening or closing by an operative

engagement with a camshaft arranged above the cylinder head;

a joint being formed between the cylinder head and cylinder block, wherein the

joint of the cylinder head and the cylinder block extends diagonally with respect to an

axis of either the intake valve or the exhaust valve;

a joint being formed between the cylinder head and the cylinder head cover,

wherein the axis of either the intake valve or the exhaust valve is perpendicular to the

joint between the cylinder head and the cylinder head cover; and wherein each axis of

the exhaust valve and an exhaust valve seat is perpendicular to the joint of the cylinder

head and the cylinder head cover.

4. (CURRENTLY AMENDED) The four-cycle engine according to claim 2,

further comprising:

a rocker arm shaft having a pair of forked ends extending around a plug tube of

said ignition plug, wherein the forked ends of and;

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a the rocker arm shaft are being supported by a rocker arm shaft holder integrally

connected with the cylinder head.

5. (CURRENTLY AMENDED) The four-cycle engine according to claim 4,

further comprising a cam cap securing the rocker arm shaft, wherein the rocker arm

shaft is secured by a bolt fastening the cam cap in a the rocker arm shaft holder.

6. (ORIGINAL) The four-cycle engine according to claim 5, further comprising a

female tapped hole for securing the bolt within the rocker arm shaft holder, wherein an

axis of the female tapped hole is perpendicular to the joint between the cylinder head

and the cylinder head cover.

7. (ORIGINAL) The four-cycle engine according to claim 6, further comprising

an insertion hole having an ignition plug formed therein, wherein an axis of the insertion

hole of the ignition plug is formed perpendicular to the joint of the cylinder head and the

cylinder head cover.

8. (PREVIOUSLY PRESENTED) A four-cycle engine comprising:

a cylinder block;

a cylinder head;

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a cylinder head cover, wherein said cylinder head cover is stacked on top of said

cylinder head and said cylinder head is stacked above said cylinder block;

an intake valve and an exhaust valve opening or closing by an operative

engagement with a camshaft arranged above the cylinder head;

a joint being formed between the cylinder head and cylinder block, wherein the

joint of the cylinder head and the cylinder block extends diagonally with respect to an

axis of either the intake valve or the exhaust valve;

a joint being formed between the cylinder head and the cylinder head cover,

wherein the axis of either the intake valve or the exhaust valve is perpendicular to the

joint between the cylinder head and the cylinder head cover; and

an intake port and an exhaust port, wherein the joint of the cylinder head and the

cylinder head cover is inclined downward from an intake port side of the cylinder head

toward an exhaust port side of the cylinder head.

9. (ORIGINAL) The four-cycle engine according to claim 8, further comprising

an engine hanger being integrally formed with the cylinder head in a position above the

intake port of the cylinder head and in a vicinity of the joint between the cylinder head

and the cylinder head cover.

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10. (ORIGINAL) The four-cycle engine according to claim 7, further comprising

an intake port and an exhaust port, wherein the joint of the cylinder head and the

cylinder head cover is inclined downward from an intake port side of the cylinder head

toward an exhaust port side of the cylinder head.

11. (ORIGINAL) The four-cycle engine according to claim 10, further comprising

an engine hanger being integrally formed with the cylinder head in a position above the

intake port of the cylinder head and in a vicinity of the joint between the cylinder head

and the cylinder head cover.

12. (CANCELLED)

13. (ORIGINAL) The four-cycle engine according to claim 2, further comprising

a valve train, wherein said valve train is a Single Overhead Camshaft (SOHC) valve

train having a single overhead camshaft.

14. (ORIGINAL) The four-cycle engine according to claim 9, further comprising

a valve train, wherein said valve train is a Single Overhead Camshaft (SOHC) valve

train having a single overhead camshaft.

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15. (ORIGINAL) The four-cycle engine according to claim 11, further comprising

a valve train, wherein said valve train is a Single Overhead Camshaft (SOHC) valve

train having a single overhead camshaft.

16. (ORIGINAL) The four-cycle engine according to claim 2, further comprising

a valve train, wherein said valve train is a dual overhead camshaft (DOHC) valve train

having dual overhead camshafts.

17. (ORIGINAL) The four-cycle engine according to claim 9, further comprising

a valve train, wherein said valve train is a dual overhead camshaft (DOHC) valve train

having dual overhead camshafts.

18. (ORIGINAL) The four-cycle engine according to claim 11, further comprising

a valve train, wherein said valve train is a Single Overhead Camshaft (SOHC) valve

train having a single overhead camshaft.